PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION

R2184.0312/P312 Attorney Docket No. First Inventor Hiroyoshi Funato DIFFRACTION GRATING, METHOD OF

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Commissioner for Patents P.O. Box 1450 ADDRESS TO: ADDRESS TO: ADDRESS TO: Computer Program (Appendix) Applicant claims small entity status. See 37 CFR 1.27. See 37 CFR 1.27. Total Pages Total Pages ACCOMPANYING APPLICATION PARTS Background of the Invention Background of the Invention Charrie, Background of the Invention Background of the Invention Charrie, Background of the Invention Accomplete program is allowed to general properties and assigned premise or an assigned premise or an assigned premise or assigned properties and assigned premise or assigned premise or assigned properties and assigned premise or assigned premise or	TRANSMITTAL	Title	PRODUCING IT, METHOD OF DUPLICATING IT,								
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 APPLICATION ELEMENTS ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 APPLICATION CONTENT PROPERTY OF THE P	(Only for new nonprovisional applications under 37 CFR 1.53(b))		OPTICAL HEAD DEVICE EMPLOYING IT, etc.								
APPLICATION ELEMENTS See 37 CFR 1.27. To CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) a. Computer Program (Appendix) a. Computer Program (Appendix) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: 1	Express Mail Label No.										
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See 37 CFR 1.27. (if applicable, all necessary)	(Submit an original, and a duplicate for fee processing)		Computer Program (Appendix)	17.7							
Description and the invention Description Descriptio											
- Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Statement Regarding Fed sponsored R & D - or a computer program itsiling appendix - Background of the Invention - Brief Description of the Disclosure - Abstract of the Disclosure - Ab	3. X Specification [Total Pages 27	7]	المناسبة الم								
- Statement Regarding Fed sponsored R & D - Reference to sequence tisting, a table, or a computer program listing appendix or a computer program listing appendix - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Detailed Description - Comparison - Detailed Description - Claim(s) - Detailed Description - Detailed Description - Comparison - Description - Detailed Description - Comparison - Description - Comparison - Description - Detailed Description - Comparison - Description - Descripti			b. Specification Sequence Listing on:								
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- Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Copy from a prior application (37 CFR 1.63(d)) - Claim(s) -	- Background of the Invention		ACCOMPANYING APPLICATION	N PARTS							
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6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner And Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 55, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS X Customer Number: 24998 X Correspondence address below Name DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP Mark J. Thronson Address 2101 L Street NW City Washington State DC Zip Code 20037-1526 Country US Telephone (202) 785-9700 Fax (202) 887-0689 Name (Print/Type) Jeremy A. Cubert Registration No. (Attorney/Agent) 40,399	see 37 CFR 1.63(d)(2) and 1.33(b).		Claim for Priority and Submission of								
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Name (Print/Type) Jeremy A. Cubert Registration No. (Attorney/Agent) 40,399											
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Signature Date April 23, 2004			Registration No. (Attorney/Agent) 40,39	9							
	Signature 25 G. Z		Date April 23,	2004							



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FEE TRANSMITTAL for FY 2004					Application Number Not Yet Assigned								
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					- [First Named Inventor Hiroyoshi Funato				Funato			
Effective 10/01/2003, Patent fees are subject to annual revision.						Examiner Name Not Yet Assigned				ssigned			
Applicant claims small entity status. See 37 CFR 1.27					ľ	Art Unit N/A							
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The Director	is authorized	d to: (check all	that apply)		1002	50	2002	20	sheet.				
X Charge	fee(s) indicated	d below	X Credit any	overpayments	1053	130	1053	130	Non-English	English specification			
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	FEE	CALCULA	TION		1251	110	2251	55	Examiner ac Extension for	ner action ion for reply within first month			
1. BASIC	FILING FE				1252	420	2252	210		or reply within			
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1002 340	2002 170	•	filing fee	770.00	1401	330	2401	165	Notice of Appeal				
1003 530	2003 269	_	ling fee		1402	330	2402	165	Filing a brief in support of an appeal				
1004 770	2004 385		e filing fee		1403	290	2403	145	Request for oral hearing				
1005 160	2005 80	Provisi	onal filing fee		1451	1,510	1451	1,510	510 Petition to institute a public use proceeding				
SUBTOTAL (1) (\$) 770.00			1452	110	2452	55	Petition to re	etition to revive – unavoidable					
SUBTOTAL (1) (\$) 770.00				1453	1,330	2453	665	Petition to re	tition to revive - unintentional				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE				1501	1,330	2501	665	Utility issue	rissue fee (or reissue)				
		Extra Claims	Fee from below	Fee Paid	1502	480	2502	240	Design issue	issue fee			
Total Claims	159 -20*	* = 139 x	18.00 =	2,502.00	1503	640	2503	320	Plant issue fee				
Independent Claims	1 -3**	'=	[-	0.00	1460	130	1460	130	Petitions to the Commissioner				
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1202 18	2202 9	Claims in ex	cess of 20		1809	770	2809	385	Filing a sub	iling a submission after final rejection			
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1203 290	2203 145		endent claim,	· -	1810	770	2810		examined (37CFR 1.129(b))				
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1205 18 2205 9 ** Reissue claims in excess of 20			1802	900 1802 900 Request for expedited examination of a design application									
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SUBTOTAL (2) (\$) 2,502.00 **or number previously paid, if greater, For Reissues, see above				*Redu	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00								
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Manie (Fillib Type) (Jefently A. Cubert					instration No. mey/Agent) 40,399 Telephone (202) 828–4817								
Signature . 2									Date	April 23, 2004			